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[o]The online version of this article contains supplemental material.

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[o]The online version of this article contains supplemental material.

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1165 ***Thomas P. Cirrito, Zheng Pu, M. Brian Deck, and Emil R. Unanue.*** Deamidation of asparagine in a major histocompatibility complex–bound peptide affects T cell recognition but does not explain type B reactivity

1171 ***Hideki Nakano, Manabu Yanagita, and Michael Dee Gunn.*** $CD11c^{+}B220^{+}Gr\text{-}1^{+}$ cells in mouse lymph nodes and spleen display characteristics of plasmacytoid dendritic cells

1179 ***Yoshinori Ikarashi, Rumiko Mikami, Albert Bendelac, Magali Terme, Nathalie Chaput, Masahiro Terada, Thomas Tursz, Eric Angevin, François A. Lemonnier, Hiro Wakasugi, and Laurence Zitvogel.*** Dendritic cell maturation overrules H-2D–mediated natural killer T (NKT) cell inhibition: critical role for B7 in CD1d-dependent NKT cell interferon γ production

1187 ***James P. Lodolce, Patrick R. Burkett, David L. Boone, Marcia Chien, and Averil Ma.*** T cell–independent interleukin 15Rα signals are required for bystander proliferation

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F47 ***William A. Muller.*** New mechanisms and pathways for monocyte recruitment

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1195 ***Patrizia Nanni, Giordano Nicoletti, Carla De Giovanni, Lorena Landuzzi, Emma Di Carlo, Federica Cavallo, Serenella M. Pupa, Ilaria Rossi, Mario P. Colombo, Cinzia Ricci, Annalisa Astolfi, Piero Musiani, Guido Forni, and Pier-Luigi Lollini.*** Combined allogeneic tumor cell vaccination and systemic interleukin 12 prevents mammary carcinogenesis in HER-2/neu transgenic mice

1207 ***Christian F. Krieglstein, Wolfgang H. Cerwinka, F. Stephen Laroux, James W. Salter, Janice M. Russell, Guido Schuermann, Matthew B. Grisham, Christopher R. Ross, and D. Neil Granger.*** Regulation of murine intestinal inflammation by reactive metabolites of oxygen and nitrogen: divergent roles of superoxide and nitric oxide

1219 ***J.M. Weiss, A.C. Renkl, C.S. Maier, M. Kimmig, L. Liaw, T. Ahrens, S. Kon, M. Maeda, H. Hotta, T. Uede, and J.C. Simon.*** Osteopontin is involved in the initiation of cutaneous contact hypersensitivity by inducing Langerhans and dendritic cell migration to lymph nodes

1231 ***Antonio Castrillo, Daniel J. Pennington, Florian Otto, Peter J. Parker, Michael J. Owen, and Lisardo Boscá.*** Protein kinase Cε is required for macrophage activation and defense against bacterial infection

1243 ***Michael F. Gurish, Hong Tao, J. Pablo Abonia, Anu Arya, Daniel S. Friend, Christina M. Parker, and K. Frank Austen.*** Intestinal mast cell progenitors require CD49dβ7 (α4β7 integrin) for tissue-specific homing

1253 ***Katy Smith, Benedict Seddon, Marco A. Purbhoo, Rose Zamoyska, Amanda G. Fisher, and Matthias Merkenschlager.*** Sensory adaptation in naive peripheral CD4 T cells

1263 ***Sacha J. Holland, X. Charlene Liao, Marcy K. Mendenhall, Xiulan Zhou, Jorge Pardo, Peter Chu, Collin Spencer, Alan Fu, Ning Sheng, Peiwen Yu, Erlina Pali, Anup Nagin, Mary Shen, Simon Yu, Eva Chan, Xian Wu, Connie Li, Max Woisetschlager, Gregorio Aversa, Frank Kolbinger, Mark K. Bennett, Susan Molineaux, Ying Luo, Donald G. Payan, Helena S.Y. Mancebo, and Jun Wu.*** Functional cloning of Src-like adapter protein-2 (SLAP-2), a novel inhibitor of antigen receptor signaling

1277 ***Hiroshi Mohri, Alan S. Perelson, Keith Tung, Ruy M. Ribeiro, Bharat Ramratnam, Martin Markowitz, Rhonda Kost, Arlene Hurley, Leor Weinberger, Denise Cesar, Marc K. Hellerstein, and David D. Ho.*** Increased turnover of T lymphocytes in HIV-1 infection and its reduction by antiretroviral therapy

1289 ***Silvia C. Finnemann and Roy L. Silverstein.*** Differential roles of CD36 and αvβ5 integrin in photoreceptor phagocytosis by the retinal pigment epithelium

1299 ***Hirofumi Akari, Stephan Bour, Sandra Kao, Akio Adachi, and Klaus Strebel.*** The human immunodeficiency virus type 1 accessory protein Vpu induces apoptosis by suppressing the nuclear factor κB–dependent expression of antiapoptotic factors

1313 ***Henry Kao, Jarrod A. Marto, Thomas K. Hoffmann, Jeffrey Shabanowitz, Sydney D. Finkelstein, Theresa L. Whiteside, Donald F. Hunt, and Olivera J. Finn.*** Identification of cyclin B1 as a shared human epithelial tumor-associated antigen recognized by T cells

1325 ***Gui-Qiang Wang, Eva Wieckowski, Leslie A. Goldstein, Brian R. Gastman, Asaf Rabinovitz, Andrea Gambotto, Shuchen Li, Bingliang Fang, Xiao-Ming Yin, and Hannah Rabinowich.*** Resistance to granzyme B-mediated cytochrome c release in Bak-deficient cells

1339 ***Xingluo Liu, Xue-Feng Bai, Jing Wen, Jian-Xin Gao, Jinqing Liu, Ping Lu, Yin Wang, Pan Zheng, and Yang Liu.*** B7H costimulates clonal expansion of, and cognate destruction of tumor cells by, $CD8^+$ T lymphocytes in vivo

1349 ***Maria A. Curotto de Lafaille, Stephanie Muriglan, Mary-Jean Sunshine, Ying Lei, Nino Kutchukhidze, Gláucia C. Furtado, Allen K. Wensky, Danyvid Olivares-Villagómez, and Juan J. Lafaille.*** Hyper immunoglobulin E response in mice with monoclonal populations of B and T lymphocytes[o]

1361 ***Roger T. Palframan, Steffen Jung, Guiying Cheng, Wolfgang Weninger, Yi Luo, Martin Dorf, Dan R. Littman, Barrett J. Rollins, Hans Zweerink, Antal Rot, and Ulrich H. von Andrian.*** Inflammatory chemokine transport and presentation in HEV: a remote control mechanism for monocyte recruitment to lymph nodes in inflamed tissues

1375 ***Mary J. Janatpour, Susan Hudak, Manjiri Sathe, Jonathon D. Sedgwick, and Leslie M. McEvoy.*** Tumor necrosis factor–dependent segmental control of MIG expression by high endothelial venules in inflamed lymph nodes regulates monocyte recruitment

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1385 ***Jean-Pierre Cabaniols, Nicolas Fazilleau, Armanda Casrouge, Philippe Kourilsky, and Jean M. Kanellopoulos.*** Most α/β T cell receptor diversity is due to terminal deoxynucleotidyl transferase

[o]The online version of this article contains supplemental material.

1391 *Correction*

1393 *Correction*

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Commentary

F53 ***Giorgio Trinchieri.*** Regulatory role of T cells producing both interferon γ and interleukin 10 in persistent infection

Articles

1395 ***Robert Thimme, David Oldach, Kyong-Mi Chang, Carola Steiger, Stuart C. Ray, and Francis V. Chisari.*** Determinants of viral clearance and persistence during acute hepatitis C virus infection

1407 ***Daniel A. Eckstein, Michael P. Sherman, Michael L. Penn, Peggy S. Chin, Carlos M.C. De Noronha, Warner C. Greene, and Mark A. Goldsmith.*** HIV-1 Vpr enhances viral burden by facilitating infection of tissue macrophages but not nondividing $CD4^+$ T cells

1421 ***Lakshmi Ramachandra, Erika Noss, W. Henry Boom, and Clifford V. Harding.*** Processing of *Mycobacterium tuberculosis* antigen 85B involves intraphagosomal formation of peptide–major histocompatibility complex II complexes and is inhibited by live bacilli that decrease phagosome maturation

1433 ***Pavan Reddy, Takanori Teshima, Mark Kukuruga, Rainer Ordemann, Chen Liu, Kathy Lowler, and James L.M. Ferrara.*** Interleukin-18 regulates acute graft-versus-host disease by enhancing Fas-mediated donor T cell apoptosis

1441 ***Haoran Zhao, Minhong Yan, Hua Wang, Sharon Erickson, Iqbal S. Grewal, and Vishva M. Dixit.*** Impaired c-Jun amino terminal kinase activity and T cell differentiation in death receptor 6–deficient mice

1449 ***Christine Esau, Marianne Boes, Hong-Duk Youn, Lisa Tatterson, Jun O. Liu, and Jianzhu Chen.*** Deletion of calcineurin and myocyte enhancer factor 2 (MEF2) binding domain of Cabin1 results in enhanced cytokine gene expression in T cells

1461 ***Meixia Zhou, Wenjun Ouyang, Qian Gong, Samuel G. Katz, J. Michael White, Stuart H. Orkin, and Kenneth M. Murphy.*** Friend of GATA-1 represses GATA-3–dependent activity in $CD4^+$ T cells

1473 ***Isabel Ferrero, Anne Wilson, Friedrich Beermann, Werner Held and H. Robson MacDonald.*** T cell receptor specificity is critical for the development of epidermal γδ T cells

1485 ***Alexandre Arcaro, Claude Grégoire, Talitha R. Bakker, Lucia Baldi, Martin Jordan, Laurence Goffin, Nicole Boucheron, Florian Wurm, P. Anton van der Merwe, Bernard Malissen, and Immanuel F. Luescher.*** CD8β endows CD8 with efficient coreceptor function by coupling T cell receptor/CD3 to raft-associated $CD8/p56^{lck}$ complexes

1497 ***Yasmine Belkaid, Karl F. Hoffmann, Susana Mendez, Shaden Kamhawi, Mark C. Udey, Tom A. Wynn, and David L. Sacks.*** The role of interleukin (IL)-10 in the persistence of *Leishmania major* in the skin after healing and the therapeutic potential of anti–IL-10 receptor antibody for sterile cure

1507 ***Leo M. Carlin, Konstantina Eleme, Fiona E. McCann, and Daniel M. Davis.*** Intercellular transfer and supramolecular organization of human leukocyte antigen C at inhibitory natural killer cell immune synapses°

1519 ***Anna Sjöström, Mikael Eriksson, Cristina Cerboni, Maria H. Johansson, Charles L. Sentman,***

°The online version of this article contains supplemental material.

Klas Kärre, and Petter Höglund. Acquisition of external major histocompatibility complex class I molecules by natural killer cells expressing inhibitory Ly49 receptors

1531 ***Jacques Zimmer, Vassilios Ioannidis, and Werner Held.*** H-2D ligand expression by Ly49A$^+$ natural killer (NK) cells precludes ligand uptake from environmental cells: implications for NK cell function

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1541 ***Yvonne Reiss, Amanda E. Proudfoot, Christine A. Power, James J. Campbell, and Eugene C. Butcher.*** CC chemokine receptor (CCR)4 and the CCR10 ligand cutaneous T cell–attracting chemokine (CTACK) in lymphocyte trafficking to inflamed skin

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1549 ***Sabrina Ibe, Zhihai Qin, Thomas Schüler, Susanne Preiss, and Thomas Blankenstein.*** Tumor rejection by disturbing tumor stroma cell interactions

1561 ***Zou Xiang, Ahmed A. Ahmed, Christine Möller, Kei-ichi Nakayama, Shigetsugu Hatakeyama, and Gunnar Nilsson.*** Essential role of the prosurvival bcl-2 homologue A1 in mast cell survival after allergic activation

1571 ***Julian C. Rayner, Esmeralda Vargas-Serrato, Curtis S. Huber, Mary R. Galinski, and John W. Barnwell.*** A *Plasmodium falciparum* homologue of *Plasmodium vivax* reticulocyte binding protein (PvRBP1) defines a trypsin-resistant erythrocyte invasion pathway

1583 ***Gregory Bannish, Ezequiel M. Fuentes-Pananá, John C. Cambier, Warren S. Pear, and John G. Monroe.*** Ligand-independent signaling functions for the B lymphocyte antigen receptor and their role in positive selection during B lymphopoiesis

1597 ***Michiko Shimoda, Toru Nakamura, Yoshimasa Takahashi, Hideki Asanuma, Shin-ichi Tamura, Takeshi Kurata, Tsuguo Mizuochi, Norihiro Azuma, Choemon Kanno, and Toshitada Takemori.*** Isotype-specific selection of high affinity memory B cells in nasal-associated lymphoid tissue

1609 ***Haixiang Jiang, Eric Wagner, Huamei Zhang, and Michael M. Frank.*** Complement 1 inhibitor is a regulator of the alternative complement pathway

1617 ***Wim Waelput, Daniël Broekaert, Joël Vandekerckhove, Peter Brouckaert, Jan Tavernier, and Claude Libert.*** A mediator role for metallothionein in tumor necrosis factor–induced lethal shock

1625 ***Ulf Klein, Yuhai Tu, Gustavo A. Stolovitzky, Michela Mattioli, Giorgio Cattoretti, Hervé Husson, Arnold Freedman, Giorgio Inghirami, Lilla Cro, Luca Baldini, Antonino Neri, Andrea Califano, and Riccardo Dalla-Favera.*** Gene expression profiling of B cell chronic lymphocytic leukemia reveals a homogeneous phenotype related to memory B cells✪

1639 ***Andreas Rosenwald, Ash A. Alizadeh, George Widhopf, Richard Simon, R. Eric Davis, Xin Yu, Liming Yang, Oxana K. Pickeral, Laura Z. Rassenti, John Powell, David Botstein, John C. Byrd, Michael R. Grever, Bruce D. Cheson, Nicholas Chiorazzi, Wyndham H. Wilson, Thomas J. Kipps, Patrick O. Brown, and Louis M. Staudt.*** Relation of gene expression phenotype to immunoglobulin mutation genotype in B cell chronic lymphocytic leukemia

1649 ***Vu N. Ngo, Richard J. Cornall, and Jason G. Cyster.*** Splenic T zone development is B cell dependent

1661 ***Norbert Bannert, Stewart Craig, Michael Farzan, Dodzie Sogah, Niki Villanueva Santo, Hyeryun Choe, and Joseph Sodroski.*** Sialylated O-glycans and sulfated tyrosines in the NH_2-terminal domain of CC chemokine receptor 5 contribute to high affinity binding of chemokines

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1675 ***Margarita Martin, Helga Schneider, Abdallah Azouz, and Christopher E. Rudd.*** Cytotoxic T

lymphocyte antigen 4 and CD28 modulate cell surface raft expression in their regulation of T cell function

1683 ***Marco Pontoglio, Mario Pausa, Antonia Doyen, Benoit Viollet, Moshe Yaniv, and Francesco Tedesco.*** Hepatocyte nuclear factor 1α controls the expression of terminal complement genes

1691 ***Pascal Schneider, Hisakazu Takatsuka, Anne Wilson, Fabienne Mackay, Aubry Tardivel, Susanne Lens, Teresa G. Cachero, Daniela Finke, Friedrich Beermann, and Jürg Tschopp.*** Maturation of marginal zone and follicular B cells requires B cell activating factor of the tumor necrosis factor family and is independent of B cell maturation antigen

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F59 ***Lars Rönnblom and Gunnar V. Alm.*** A pivotal role for the natural interferon α–producing cells (plasmacytoid dendritic cells) in the pathogenesis of lupus

Articles

1699 ***Susan L. Cuvelier and Kamala D. Patel.*** Shear-dependent eosinophil transmigration on interleukin 4–stimulated endothelial cells: a role for endothelium-associated eotaxin-3°

1711 ***Jens Geginat, Federica Sallusto, and Antonio Lanzavecchia.*** Cytokine-driven proliferation and differentiation of human naive, central memory, and effector memory $CD4^+$ T cells

1721 ***Qi Wang, Julie Strong, and Nigel Killeen.*** Homeostatic competition among T cells revealed by conditional inactivation of the mouse *Cd4* gene

1731 ***Joseph A. Kovacs, Richard A. Lempicki, Igor A. Sidorov, Joseph W. Adelsberger, Betsey Herpin, Julia A. Metcalf, Irini Sereti, Michael A. Polis, Richard T. Davey, Jorge Tavel, Judith Falloon, Randy Stevens, Laurie Lambert, Robin Dewar, Douglas J. Schwartzentruber, Miriam R. Anver, Michael W. Baseler, Henry Masur, Dimiter S. Dimitrov, and H. Clifford Lane.*** Identification of dynamically distinct subpopulations of T lymphocytes that are differentially affected by HIV

1743 ***Koji Kawakami, Mariko Kawakami, Philip J. Snoy, Syed R. Husain, and Raj K. Puri.*** In vivo overexpression of IL-13 receptor α2 chain inhibits tumorigenicity of human breast and pancreatic tumors in immunodeficient mice

1755 ***Kazuhiro Kakimi, Thomas E. Lane, Stefan Wieland, Valerie C. Asensio, Iain L. Campbell, Francis V. Chisari, and Luca G. Guidotti.*** Blocking chemokine responsive to γ–2/interferon (IFN)-γ inducible protein and monokine induced by IFN-γ activity in vivo reduces the pathogenetic but not the antiviral potential of hepatitis B virus–specific cytotoxic T lymphocytes

1767 ***Thomas Schüler, Thomas Kammertoens, Susanne Preiss, Pierre Debs, Nancy Noben-Trauth, and Thomas Blankenstein.*** Generation of tumor-associated cytotoxic T lymphocytes requires interleukin 4 from $CD8^+$ T cells

1777 ***Mary K.H. McGavin, Karen Badour, Lynne A. Hardy, Terrance J. Kubiseski, Jinyi Zhang, and Katherine A. Siminovitch.*** The intersectin 2 adaptor links Wiskott Aldrich Syndrome protein (WASp)-mediated actin polymerization to T cell antigen receptor endocytosis

1789 ***Alex W. Jahng, Igor Maricic, Brian Pedersen, Nicolas Burdin, Olga Naidenko, Mitchell Kronenberg, Yasuhiko Koezuka, and Vipin Kumar.*** Activation of natural killer T cells potentiates or prevents experimental autoimmune encephalomyelitis

1801 ***Avneesh K. Singh, Michael T. Wilson, Seokmann Hong, Danyvid Olivares-Villagómez, Caigan Du, Aleksandar K. Stanic, Sebastian Joyce, Subramaniam Sriram, Yasuhiko Koezuka, and Luc Van***

°The online version of this article contains supplemental material.

Kaer. Natural killer T cell activation protects mice against experimental autoimmune encephalomyelitis

1813 ***Matthias Lechmann, Daniëlle J.E.B. Krooshoop, Diana Dudziak, Elisabeth Kremmer, Christine Kuhnt, Carl G. Figdor, Gerold Schuler, and Alexander Steinkasserer.*** The extracellular domain of CD83 inhibits dendritic cell–mediated T cell stimulation and binds to a ligand on dendritic cells

1823 ***Andrzej Dzionek, Yoshiaki Sohma, Jun Nagafune, Marina Cella, Marco Colonna, Fabio Facchetti, Gritt Günther, Ian Johnston, Antonio Lanzavecchia, Tomoko Nagasaka, Tsutomu Okada, William Vermi, Gregor Winkels, Terumi Yamamoto, Monika Zysk, Yasunori Yamaguchi, and Jürgen Schmitz.*** BDCA-2, a novel plasmacytoid dendritic cell–specific type II C-type lectin, mediates antigen capture and is a potent inhibitor of interferon α/β induction

1835 ***Barbara A. Small, Sarah A. Dressel, Christopher W. Lawrence, Donald R. Drake III, Mark H. Stoler, Richard I. Enelow, and Thomas J. Braciale.*** $CD8^+$ T cell–mediated injury in vivo progresses in the absence of effector T cells

1847 ***Stefan Ehlers, Jochen Benini, Heinz-Dieter Held, Christiane Roeck, Gottfried Alber, and Stefan Uhlig.*** $\alpha\beta$ T cell receptor-positive cells and interferon-γ, but not inducible nitric oxide synthase, are critical for granuloma necrosis in a mouse model of mycobacteria-induced pulmonary immunopathology

1861 ***R. Eric Davis, Keith D. Brown, Ulrich Siebenlist, and Louis M. Staudt.*** Constitutive nuclear factor κB activity is required for survival of activated B cell–like diffuse large B cell lymphoma cells

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1875 ***Golo Henning, Lars Ohl, Tobias Junt, Phillip Reiterer, Volker Brinkmann, Hideki Nakano, Werner Hohenberger, Martin Lipp, and Reinhold Förster.*** CC chemokine receptor 7–dependent and –independent pathways for lymphocyte homing: modulation by FTY720

1883 ***Correction***

1885 ***Correction***